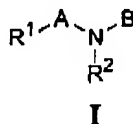


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**Amendments to the Claims**

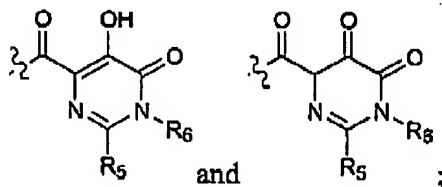
1. (currently amended) A compound of Formula I, or a pharmaceutically acceptable salt or solvate thereof,



wherein

A is methylene or 1,1-disubstituted ethylene;

B is selected from the group consisting of



$R^1$  is phenyl, pyridinyl or dioxolanylphenyl and is unsubstituted or substituted with 1 to 3  $R^3$ ;

$R^2$  is hydrogen, methyl, or  $OR^4$ ;

$R^3$  is independently selected from halo,  $C_{1-6}$ alkyl,  $C_{1-2}$  perfluoroalkyl,  $C_{1-6}$ alkoxy,  $C_{1-6}$ alkylthioxy, and cyano;

$R^4$  is hydrogen or  $C_{1-6}$ alkyl;

$R^5$  is  $Ar^1$  or  $Ar^2$ ;

$R^6$  is  $C_{1-6}$ alkyl;

$Ar^1$  is phenyl substituted with 1-2 substituents selected from halo,  $C_{1-6}$ alkoxy,  $CO_2R^4$ ,  $N(R^4)(SO_2C_{1-6}alkyl)$ ,  $SO_2N(C_{1-6}alkyl)_2$ , and dioxothiazinanyl;

$Ar^2$  is a heteroaryl moiety selected from the group consisting of pyridinyl, pyrrolyl, furanyl, and imidazopyrimidinyl and is unsubstituted or substituted with 1-2 substituents selected from halo,  $C_{1-6}$ alkyl,  $C_{1-6}$ alkoxy,  $CO_2R^4$ ,  $N(R^4)(SO_2C_{1-6}alkyl)$ ,  $SO_2N(C_{1-6}alkyl)_2$ ,  $N(R^7)_2$ , and dioxothiazinanyl; and

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~~R<sup>7</sup> is hydrogen, C<sub>1-6</sub>alkyl, C<sub>1-6</sub>alkyl OR<sup>4</sup>.~~

2. (original) A compound of claim 1 wherein R<sup>1</sup> is phenyl unsubstituted or substituted with 1 to 3 R<sup>3</sup>.
3. (original) A compound of claim 2 where R<sup>1</sup> is phenyl substituted with 1-2 R<sup>3</sup> selected from the group consisting of chloro, fluoro, methyl, and trifluoromethyl.
4. (original) A compound of claim 1 where R<sup>2</sup> is hydrogen.
5. (original) A compound of claim 1 where R<sup>5</sup> is Ar<sup>1</sup>.
6. (cancelled).
7. (currently amended) A compound of claim 5 selected from the group consisting of

~~N-(4-fluorobenzyl)-2-(2,6-difluorophenyl)-5-hydroxy-1-methyl-6-oxo-1,6-dihydropyrimidine-4-carboxamide;~~

~~N-(3,4-dichlorobenzyl)-2-(2,6-difluorophenyl)-5-hydroxy-1-methyl-6-oxo-1,6-dihydropyrimidine-4-carboxamide;~~

~~N-(3,4-difluorobenzyl)-2-(2,6-difluorophenyl)-5-hydroxy-1-methyl-6-oxo-1,6-dihydropyrimidine-4-carboxamide;~~

~~N-(4-chlorobenzyl)-2-(2,6-difluorophenyl)-5-hydroxy-1-methyl-6-oxo-1,6-dihydropyrimidine-4-carboxamide;~~

~~N-(4-methylbenzyl)-2-(2,6-difluorophenyl)-5-hydroxy-1-methyl-6-oxo-1,6-dihydropyrimidine-4-carboxamide;~~

~~N-(3,4-dimethylbenzyl)-2-(2,6-difluorophenyl)-5-hydroxy-1-methyl-6-oxo-1,6-dihydropyrimidine-4-carboxamide;~~

~~N-(3-chloro-4-methylbenzyl)-2-(2,6-difluorophenyl)-5-hydroxy-1-methyl-6-oxo-1,6-dihydropyrimidine-4-carboxamide;~~

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~~N-(2,4-difluorobenzyl)-2-(2,6-difluorophenyl)-5-hydroxy-1-methyl-6-oxo-1,6-dihydropyrimidine-4-carboxamide;~~

~~N-(2-methylbenzyl)-2-(2,6-difluorophenyl)-5-hydroxy-1-methyl-6-oxo-1,6-dihydropyrimidine-4-carboxamide;~~

~~N-(4-fluoro-2-(trifluoromethyl)benzyl)-2-(2,6-difluorophenyl)-5-hydroxy-1-methyl-6-oxo-1,6-dihydropyrimidine-4-carboxamide;~~

~~N-(4-(trifluoromethyl)benzyl)-2-(2,6-difluorophenyl)-5-hydroxy-1-methyl-6-oxo-1,6-dihydropyrimidine-4-carboxamide;~~

~~N-(benzo[d][1,3]dioxol-5-ylmethyl)-2-(2,6-difluorophenyl)-5-hydroxy-1-methyl-6-oxo-1,6-dihydropyrimidine-4-carboxamide;~~

~~2-(2,6-difluorophenyl)-5-hydroxy-1-methyl-6-oxo-N-(1-phenylethyl)-1,6-dihydropyrimidine-4-carboxamide;~~

~~N-(2-(methylthio)benzyl)-2-(2,6-difluorophenyl)-5-hydroxy-1-methyl-6-oxo-1,6-dihydropyrimidine-4-carboxamide;~~

~~N-(3-fluoro-4-(trifluoromethyl)benzyl)-2-(2,6-difluorophenyl)-5-hydroxy-1-methyl-6-oxo-1,6-dihydropyrimidine-4-carboxamide;~~

~~N-(3,5-bis(trifluoromethyl)benzyl)-2-(2,6-difluorophenyl)-5-hydroxy-1-methyl-6-oxo-1,6-dihydropyrimidine-4-carboxamide;~~

~~2-(2,6-difluorophenyl)-5-hydroxy-1-methyl-6-oxo-N-(pyridin-2-ylmethyl)-1,6-dihydropyrimidine-4-carboxamide;~~

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~~N-(3,4-dichlorobenzyl)-5-hydroxy-2-(2-methoxyphenyl)-1-methyl-6-oxo-1,6-dihydropyrimidine-4-carboxamide;~~

~~N-(4-fluorobenzyl)-5-hydroxy-2-(2-methoxyphenyl)-1-methyl-6-oxo-1,6-dihydropyrimidine-4-carboxamide;~~

~~N-(3,4-dimethylbenzyl)-5-hydroxy-2-(2-methoxyphenyl)-1-methyl-6-oxo-1,6-dihydropyrimidine-4-carboxamide;~~

~~N-(3-chloro-4-methylbenzyl)-5-hydroxy-2-(2-methoxyphenyl)-1-methyl-6-oxo-1,6-dihydropyrimidine-4-carboxamide;~~

~~N-(4-fluorobenzyl)-2-(4-fluoro-2-(methylsulfonyl)phenyl)-5-hydroxy-1-methyl-6-oxo-1,6-dihydropyrimidine-4-carboxamide;~~

~~N-(3,4-dichlorobenzyl)-2-(4-fluoro-2-(methylsulfonyl)phenyl)-5-hydroxy-1-methyl-6-oxo-1,6-dihydropyrimidine-4-carboxamide;~~

~~N-(3,4-dimethylbenzyl)-2-(4-fluoro-2-(methylsulfonyl)phenyl)-5-hydroxy-1-methyl-6-oxo-1,6-dihydropyrimidine-4-carboxamide;~~

~~N-(4-fluorobenzyl)-2-(2-fluoro-6-(N-methylmethan-3-ylsulfonamido)phenyl)-5-hydroxy-1-methyl-6-oxo-1,6-dihydropyrimidine-4-carboxamide;~~

~~N-(3,4-dichlorobenzyl)-2-(2-fluoro-6-(N-methylmethan-3-ylsulfonamido)phenyl)-5-hydroxy-1-methyl-6-oxo-1,6-dihydropyrimidine-4-carboxamide;~~

~~N-(3-chloro-4-methylbenzyl)-2-(2-fluoro-6-(N-methylmethan-3-ylsulfonamido)phenyl)-5-hydroxy-1-methyl-6-oxo-1,6-dihydropyrimidine-4-carboxamide;~~

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~~N-(4-fluorobenzyl)-2-(2,6-dimethoxyphenyl)-5-hydroxy-1-methyl-6-oxo-1,6-dihydropyrimidine-4-carboxamide;~~

~~N-(3,4-dichlorobenzyl)-2-(2,6-dimethoxyphenyl)-5-hydroxy-1-methyl-6-oxo-1,6-dihydropyrimidine-4-carboxamide;~~

~~N-(3,4-dimethylbenzyl)-2-(2,6-dimethoxyphenyl)-5-hydroxy-1-methyl-6-oxo-1,6-dihydropyrimidine-4-carboxamide;~~

~~N-(3-chloro-4-methylbenzyl)-2-(2,6-dimethoxyphenyl)-5-hydroxy-1-methyl-6-oxo-1,6-dihydropyrimidine-4-carboxamide;~~

~~N-(4-fluorobenzyl)-5-hydroxy-1-methyl-2-(2-(1,1-Dioxo-1 $\lambda$ <sup>6</sup>-[1,2]thiazinan-2-yl)-6-oxo-1,6-dihydropyrimidine-4-carboxamide;~~

~~N-(3,4-dichlorobenzyl)-5-hydroxy-1-methyl-2-(2-(1,1-Dioxo-1 $\lambda$ <sup>6</sup>-[1,2]thiazinan-2-yl)-6-oxo-1,6-dihydropyrimidine-4-carboxamide;~~

~~N-(3,4-dimethylbenzyl)-5-hydroxy-1-methyl-2-(2-(1,1-Dioxo-1 $\lambda$ <sup>6</sup>-[1,2]thiazinan-2-yl)-6-oxo-1,6-dihydropyrimidine-4-carboxamide; and~~

~~N-(3-chloro-4-methylbenzyl)-5-hydroxy-1-methyl-2-(2-(1,1-Dioxo-1 $\lambda$ <sup>6</sup>-[1,2]thiazinan-2-yl)-6-oxo-1,6-dihydropyrimidine-4-carboxamide;~~

~~N-(3-chloro-4-methylbenzyl)-5-hydroxy-1-methyl-2-(2-morpholinophenyl)-6-oxo-1,6-dihydropyrimidine-4-carboxamide;~~

~~N-(4-fluorobenzyl)-2-(2-dimethylsulfamoylphenyl)-5-hydroxy-1-methyl-6-oxo-1,6-dihydropyrimidine-4-carboxamide;~~

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~~N-(3,4-dichlorobenzyl)-2-(2-dimethylsulfamoylphenyl)-5-hydroxy-1-methyl-6-oxo-1,6-dihydropyrimidine-4-carboxamide;~~

~~N-(3,4-dimethylbenzyl)-2-(2-dimethylsulfamoylphenyl)-5-hydroxy-1-methyl-6-oxo-1,6-dihydropyrimidine-4-carboxamide;~~

~~N-(3-chloro-4-methylbenzyl)-2-(2-dimethylsulfamoylphenyl)-5-hydroxy-1-methyl-6-oxo-1,6-dihydropyrimidine-4-carboxamide;~~

~~N-(4-fluorobenzyl)-5-hydroxy-2-(3-methoxyphenyl)-1-methyl-6-oxo-1,6-dihydropyrimidine-4-carboxamide;~~

~~N-(3,4-dichlorobenzyl)-5-hydroxy-2-(3-methoxyphenyl)-1-methyl-6-oxo-1,6-dihydropyrimidine-4-carboxamide;~~

~~N-(3,4-dimethylbenzyl)-5-hydroxy-2-(3-methoxyphenyl)-1-methyl-6-oxo-1,6-dihydropyrimidine-4-carboxamide;~~

~~N-(4-fluorobenzyl)-5-hydroxy-2-(4-methoxyphenyl)-1-methyl-6-oxo-1,6-dihydropyrimidine-4-carboxamide;~~

~~N-(3,4-dichlorobenzyl)-5-hydroxy-2-(4-methoxyphenyl)-1-methyl-6-oxo-1,6-dihydropyrimidine-4-carboxamide;~~

~~N-(3,4-dimethylbenzyl)-5-hydroxy-2-(4-methoxyphenyl)-1-methyl-6-oxo-1,6-dihydropyrimidine-4-carboxamide;~~

~~2-(4-(((4-fluorobenzyl)carbamoyl)-5-hydroxy-1-methyl-6-oxo-1,6-dihydropyrimidin-2-yl)benzoic acid;~~

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~~2-(4-((3,4-dichlorobenzyl)carbamoyl)-5-hydroxy-1-methyl-6-oxo-1,6-dihydropyrimidin-2-yl)benzoic acid; and~~

~~2-(4-methylaminicarbonyl-phenyl)-5-hydroxy-1-methyl-6-oxo-1,6-dihydro-pyrimidine-4-carboxylic acid-4-fluorobenzylamide; and~~

or a pharmaceutically acceptable salt or solvate thereof.

8. (original) A compound of claim 1 where  $R^5$  is  $Ar^2$ .

9. (cancelled).

10. (currently amended) A compound of claim 8 selected from the group consisting of

~~N-(4-chlorobenzyl)-5-hydroxy-1-methyl-6-oxo-2-(pyridin-2-yl)-1,6-dihydropyrimidine-4-carboxamide;~~

~~N-(3,4-dichlorobenzyl)-5-hydroxy-1-methyl-6-oxo-2-(pyridin-2-yl)-1,6-dihydropyrimidine-4-carboxamide;~~

~~N-(3,4-difluorobenzyl)-5-hydroxy-1-methyl-6-oxo-2-(pyridin-2-yl)-1,6-dihydropyrimidine-4-carboxamide;~~

~~N-(4-methylbenzyl)-5-hydroxy-1-methyl-6-oxo-2-(pyridin-2-yl)-1,6-dihydropyrimidine-4-carboxamide;~~

~~N-(3,4-dimethylbenzyl)-5-hydroxy-1-methyl-6-oxo-2-(pyridin-2-yl)-1,6-dihydropyrimidine-4-carboxamide;~~

~~N-(3-chloro-4-methylbenzyl)-5-hydroxy-1-methyl-6-oxo-2-(pyridin-2-yl)-1,6-dihydropyrimidine-4-carboxamide;~~

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~~N-(4-fluorobenzyl)-5-hydroxy-1-methyl-6-oxo-2-(pyridin-2-yl)-1,6-dihydropyrimidine-4-carboxamide;~~

N-(4-fluorobenzyl)-5-hydroxy-2-(3-[2-(1,1-Dioxo-1 $\lambda^6$ -[1,2]thiazinan-2-yl)-pyridin-2-yl]-)-1-methyl-6-oxo-1,6-dihydropyrimidine-4-carboxamide;

N-(3,4-dichlorobenzyl)-5-hydroxy-2-(3-[2-(1,1-Dioxo-1 $\lambda^6$ -[1,2]thiazinan-2-yl)-pyridin-2-yl]-)-1-methyl-6-oxo-1,6-dihydropyrimidine-4-carboxamide;

N-(3,4-dimethylbenzyl)-5-hydroxy-2-(3-[2-(1,1-Dioxo-1 $\lambda^6$ -[1,2]thiazinan-2-yl)-pyridin-2-yl]-)-1-methyl-6-oxo-1,6-dihydropyrimidine-4-carboxamide; and

N-(3-chloro-4-methylbenzyl)-5-hydroxy-2-(3-[2-(1,1-Dioxo-1 $\lambda^6$ -[1,2]thiazinan-2-yl)-pyridin-2-yl]-)-1-methyl-6-oxo-1,6-dihydropyrimidine-4-carboxamide;

~~N-(4-fluorobenzyl)-5-hydroxy-2-(6-methoxypyridin-3-yl)-1-methyl-6-oxo-1,6-dihydropyrimidine-4-carboxamide;~~

~~N-(3,4-dichlorobenzyl)-5-hydroxy-2-(6-methoxypyridin-3-yl)-1-methyl-6-oxo-1,6-dihydropyrimidine-4-carboxamide;~~

~~N-(3,4-dimethylbenzyl)-5-hydroxy-2-(6-methoxypyridin-3-yl)-1-methyl-6-oxo-1,6-dihydropyrimidine-4-carboxamide;~~

~~N-(4-fluorobenzyl)-5-hydroxy-2-(3-methoxypyridin-2-yl)-1-methyl-6-oxo-1,6-dihydropyrimidine-4-carboxamide;~~

~~N-(4-fluorobenzyl)-2-(3-(dimethylamino)pyridin-2-yl)-5-hydroxy-1-methyl-6-oxo-1,6-dihydropyrimidine-4-carboxamide;~~

~~N-(3,4-dichlorobenzyl)-2-(3-(dimethylamino)pyridin-2-yl)-5-hydroxy-1-methyl-6-oxo-1,6-dihydropyrimidine-4-carboxamide;~~



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~~N-(3,4-dimethylbenzyl)-2-(3-(dimethylamino)pyridin-2-yl)-5-hydroxy-1-methyl-6-oxo-1,6-dihydropyrimidine-4-carboxamide;~~

~~N-(3-chloro-4-methylbenzyl)-2-(3-(dimethylamino)pyridin-2-yl)-5-hydroxy-1-methyl-6-oxo-1,6-dihydropyrimidine-4-carboxamide;~~

~~N-(4-fluorobenzyl)-2-(furan-2-yl)-5-hydroxy-1-methyl-6-oxo-1,6-dihydropyrimidine-4-carboxamide;~~

~~N-(3,4-dichlorobenzyl)-2-(furan-2-yl)-5-hydroxy-1-methyl-6-oxo-1,6-dihydropyrimidine-4-carboxamide;~~

~~N-(3,4-dimethylbenzyl)-2-(furan-2-yl)-5-hydroxy-1-methyl-6-oxo-1,6-dihydropyrimidine-4-carboxamide;~~

~~N-(3-chloro-4-methylbenzyl)-2-(furan-2-yl)-5-hydroxy-1-methyl-6-oxo-1,6-dihydropyrimidine-4-carboxamide;~~

~~N-(4-fluorobenzyl)-5-hydroxy-1-methyl-6-oxo-2-(pyridin-3-yl)-1,6-dihydropyrimidine-4-carboxamide;~~

~~N-(3,4-dichlorobenzyl)-5-hydroxy-1-methyl-6-oxo-2-(pyridin-3-yl)-1,6-dihydropyrimidine-4-carboxamide;~~

~~N-(3,4-dimethylbenzyl)-5-hydroxy-1-methyl-6-oxo-2-(pyridin-3-yl)-1,6-dihydropyrimidine-4-carboxamide;~~

~~N-(3-chloro-4-methylbenzyl)-5-hydroxy-1-methyl-6-oxo-2-(pyridin-3-yl)-1,6-dihydropyrimidine-4-carboxamide;~~

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~~N-(4-fluorobenzyl)-5-hydroxy-1-methyl-6-oxo-2-(pyridin-4-yl)-1,6-dihydropyrimidine-4-carboxamide;~~

~~N-(3,4-dichlorobenzyl)-5-hydroxy-1-methyl-6-oxo-2-(pyridin-4-yl)-1,6-dihydropyrimidine-4-carboxamide;~~

~~N-(3,4-dimethylbenzyl)-5-hydroxy-1-methyl-6-oxo-2-(pyridin-4-yl)-1,6-dihydropyrimidine-4-carboxamide;~~

~~N-(3-chloro-4-methylbenzyl)-5-hydroxy-1-methyl-6-oxo-2-(pyridin-4-yl)-1,6-dihydropyrimidine-4-carboxamide;~~

~~N-(4-fluorobenzyl)-2-(1,5-dimethyl-1H-pyrrol-2-yl)-5-hydroxy-1-methyl-6-oxo-1,6-dihydropyrimidine-4-carboxamide;~~

~~N-(3,4-dichlorobenzyl)-2-(1,5-dimethyl-1H-pyrrol-2-yl)-5-hydroxy-1-methyl-6-oxo-1,6-dihydropyrimidine-4-carboxamide;~~

~~N-(3,4-dimethylbenzyl)-2-(1,5-dimethyl-1H-pyrrol-2-yl)-5-hydroxy-1-methyl-6-oxo-1,6-dihydropyrimidine-4-carboxamide;~~

~~N-(3-chloro-4-methylbenzyl)-2-(1,5-dimethyl-1H-pyrrol-2-yl)-5-hydroxy-1-methyl-6-oxo-1,6-dihydropyrimidine-4-carboxamide;~~

~~N-(4-fluorobenzyl)-2-(2,4-dimethylimidazo[1,5-a]pyrimidin-8-yl)-5-hydroxy-1-methyl-6-oxo-1,6-dihydropyrimidine-4-carboxamide;~~

~~N-(3,4-dichlorobenzyl)-2-(2,4-dimethylimidazo[1,5-a]pyrimidin-8-yl)-5-hydroxy-1-methyl-6-oxo-1,6-dihydropyrimidine-4-carboxamide;~~

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~~N-(3,4-methylbenzyl)-2-(2,4-dimethylimidazo[1,5-a]pyrimidin-8-yl)-5-hydroxy-1-methyl-6-oxo-1,6-dihydropyrimidine-4-carboxamide; and~~

~~N-(3-chloro-4-methylbenzyl)-2-(2,4-dimethylimidazo[1,5-a]pyrimidin-8-yl)-5-hydroxy-1-methyl-6-oxo-1,6-dihydropyrimidine-4-carboxamide;~~

or a pharmaceutically acceptable salt or solvate thereof.

11. (original) A compound of claim 1 where R<sup>6</sup> is methyl.
12. (original) A composition useful for treating HIV infections comprising a therapeutic amount of a compound of claim 1, or a salt or solvate thereof, and a pharmaceutically acceptable carrier.
13. (original) A method of inhibiting HIV integrase which comprises administering to a patient a therapeutically effective amount of a compound of Claim 1, or a pharmaceutically acceptable salt or solvate thereof.
14. (original) A method of treating HIV infection in a patient comprising the administration of a therapeutically effective amount of a compound of Claim 1, or a pharmaceutically acceptable salt or solvate thereof.
15. (currently amended) ~~A~~ The method of treating HIV infection in a patient ~~Claim 1 further~~ comprising administering a therapeutically effective amount of a compound of ~~claim~~ Claim 1 with at least one other agent for treating HIV selected from the group consisting of HIV reverse transcriptase inhibitors, non-nucleoside HIV reverse transcriptase inhibitors, HIV protease inhibitors, HIV fusion inhibitors, HIV attachment inhibitors, CCR5 inhibitors, CXCR4 inhibitors, HIV budding or maturation inhibitors, and HIV integrase inhibitors.

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